

**LASER MEASUREMENT SYSTEM WITH DIGITAL DELAY  
COMPENSATION**

Lee Charles Kalem  
David Todd Dieken

**ABSTRACT OF THE DISCLOSURE**

A method and system for determining and compensating for phase and time errors in an optical receiver. The method and system includes use of a measurement and reference signal; deriving phase and time errors; and providing compensation values to the optical receiver. The operating frequency and/or other operating parameters associated with phase and time errors are determined and recorded to allow for proper compensation to the optical receiver.